Info-Hams Digest   Mon, 22 Aug 94   Volume 94 : Issue 948

Today's Topics:
                     Building a J-Pole Antenna
                   Cheap Aircraft Scanner Wanted
              FT530 breaks squelch when it shouldn't
                      IC-970H use for AMSATS
                       learning CW (3 msgs)
                   Mobile Radio in Dodge Caravan?
   Questions: Digital Scanning, Cellphones, Transmissions (2 msgs)
                       Rigs in Dish Washers
                    The VOA discussion (2 msgs)
                  Wanted: TM-733 Programming Guide
                  Wimpy Audio Output - HT's & Mobiles

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

In article <dougfree.1127650614A@news.onramp.net>, dougfree@onramp.net (Doug
Freeman) writes:
> In Article <32tndl$j1q@prodsql.prodigy.bc.ca>, Paul Antaki
> <pantaki@prodigy.bc.ca> wrote:
>>I'm sorry if this has been requested before. I went looking for a better
>>anternna for my HT and someone suggested I just build a j-pole for home
>>use. I don't really know where to look for instructions. If someone has

```
>>instructions/parts list I would really appreciate a copy.
>>
>>Paul
>     In the August "CQ" magazine on page #42 there is a excellent plan for a
> 2mtr. JPole.  It is made of 300ohm twin lead simular to MFJs but cut to
> compensate to be mounted in PVC pipe. It sports 3db gain across 2mtrs. with
> low SWR (>1.2:1) and will transmit on 440 but the radiation angle is fairly
> high for all but the closer repeaters.
>     Very good instructions make this design easy to build and the finished
> product is around 4' and very easy to mount.  One misprint is the top PVC
> measurement.  Instead of 43 3/8" it should be 44 3/8".  My second cut of
> pipe fit perfectly.  The coax. mount calls for a SO-239 pass through socket
> which is hard to find so I took a square panel mount and trimmed the corners
> off to fit.  Put a little coax seal around it before tightening and you have
> a nice mount.
>     The performance was so good that I have 3 friends that have allowed me
> to make them one.  OK since the cost is only a couple of bucks.
> 73s,
> Doug Freeman

You will have better results with 450 ohm ladder line. Of course the dimensions
are different. I have paper instructions at home. If you're interested I'll try
to remember to look them up tonight, and type them up.
Joe - AA3GN
--
Joe Landis - System & Network Mgr. - North American Drager Co. Telford, PA
landisj@drager.com | uupsi5!main03!landisj | AA3GN@WA3TSW.#EPA.PA.USA
Opinions are mine only, and do not reflect those of my employer.
...Munging Until No Good...

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Date: Mon, 22 Aug 1994 17:49:15 GMT
From: hearst.acc.Virginia.EDU!ruacad!repair@uunet.uu.net
Subject: Cheap Aircraft Scanner Wanted
To: info-hams@ucsd.edu

Looking for a an old scanner you may have around and not using. Something
with the aircraft band. Price?

Please write: rmccalli@ruacad.ac.runet.edu


                - Randy (K2VW)

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Date: Mon, 22 Aug 1994 19:50:32 GMT
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From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!torn!
news.ccs.queensu.ca!venus!jupiter!pas@network.ucsd.edu
Subject: FT530 breaks squelch when it shouldn't
To: info-hams@ucsd.edu

Hello,

A friend of mine bought a Yaseu FT530 handheld and it seems
to behave differently than mine.   In his, the squelch
seems to open momentarily when the radio pauses on a
channel while scanning.   This channel is set to tone
squelch decode at a tone of 107.2 Hz.   Most of the time it
has a data transmission and on occasion, voice with the PL
tone added. The voice is what he is interested in
hearing. The result is an annoying data noise burst from
the radio. The behavior is irregular (it doesn't do this
every time it scans the channel).   My radio does not do
this.

My question: is this, by chance a known problem with the
FT530?   Sending it back is a last resort...

73,
Peter

    O   Peter A. Stokes _____ Voice & Voice mail: (613) 545-2923
   <^- Engineering Applications Support _____ FAX: (613) 548-8104
  \/\   Canadian Microelectronics Corporation _____ Net: stokes@cmc.ca
    \ Kingston, Ontario, CANADA _____ Radio: VE3ZXT @ VE3CDY
          "Don't believe any advice you read"

Date: 22 Aug 94 15:18:53 GMT
From: news-mail-gateway@ucsd.edu
Subject: IC-970H use for AMSATS
To: info-hams@ucsd.edu

Send me a SASE and I will mail you the mods. The 970 works fine at 9600.
73, Roy D. Welch
    908 Dutch Mill Dr.
    Manchester, NO 63011

Date: Mon, 22 Aug 1994 15:12:03 GMT
From: spstimes.sps.mot.com!mogate!newsgate!news@uunet.uu.net
Subject: learning CW

To: info-hams@ucsd.edu

In article <3397dj$rsb@geraldo.cc.utexas.edu> oo7@astro.as.utexas.edu (Derek Wills) writes:
> ...
> I'm curious to know whether those who learn it from computer programs
> that send perfect code in a quiet room find it a shock once they get
> on the air and have to contend with real people sending code, fading
> signals, QRM, all that stuff?   Is it easy to make the transition to
> the real world?
> ...

I dunno for sure, Derek, but my guess is that very few people actually use it
on the air. They learn it to pass the tests (which are sent in perfectly
formed, non-QRM'ed fashion) and then don't use it. There are exceptions, of
course.

No flames, please...just making an observation with no value judgements
attached.

73...   Mark   AA7TA

Date: Mon, 22 Aug 1994 16:49:25 GMT
From: swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!uhog.mit.edu!
news.kei.com!eff!news.duke.edu!news-feed-1.peachnet.edu!ukma!rsg1.er.usgs.gov!
stc06.CTD.ORNL.GOV!xdepc.@ihnp4.ucsd.edu
Subject: learning CW
To: info-hams@ucsd.edu

In article <1994Aug22.151203.1428@newsgate.sps.mot.com> rapw20@email.sps.mot.com
(Mark Monninger) writes:

>> I'm curious to know whether those who learn it from computer programs
>> that send perfect code in a quiet room find it a shock once they get
>> on the air and have to contend with real people sending code, fading
>> signals, QRM, all that stuff?   Is it easy to make the transition to
>> the real world?
>> ...

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>on the air. They learn it to pass the tests (which are sent in perfectly
>formed, non-QRM'ed fashion) and then don't use it. There are exceptions, of
>course.

>No flames, please...just making an observation with no value judgements

>attached.

>73...   Mark   AA7TA

No flames, but please... most vet. cw operators will QRS for new operators
transitioning into real air time. If you are in range, check in on 40 M
CW novice band. I work lots of Novice stations there and also new Generals
at 5,10,15 etc. whatever speed they want to work, mostly during weekends but
also some week day afternoons and evenings. CW ops that will not QRS for
new operators, and there are some, are like some of the self-important clowns
on Usenet, not worth talking to anyhow.   Most ops will QRS, particularly if
you send (at your speed) "PSE RPT ES QRS BK". Still too fast? Send it again.
Oh, and there is plenty of QRM, fading, etc. there so you get the full effect.

73,
C. C. (Clay) Wynn, N4AOX
wyn@ornl.gov
==
= Cooperation requires participation. Competition teaches cooperation. =
==

Date: Mon, 22 Aug 1994 18:38:25 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
swiss.ans.net!upsnews.ups.com!casey!nrd1pxm@network.ucsd.edu
Subject: learning CW
To: info-hams@ucsd.edu

When I learned the code in '76 (1976 :)), my buddy, WB2BEJ and I went to a
bar with music, noise, etc and, over a few beers, he sent stuff from the local
paper and I started copying best I could.

The result? Passed the general written but missed the general code by 1 question:
(. I'm starting again to relearn the code, this time via computer, but my
heart just isn't quite in it.

--
==
Peter Martin   UPS   Danbury, CT   (203) 731-6324 nrd1pxm@nrd.ups.com
Real Life Home: Kent, WA   (206) 631-5478
SCCA '83 Mazda RX7 #24 ITA   '91 RX-7 ragtop   '95 SSC Neon   WD9HAD

Date: Mon, 22 Aug 1994 19:44:15 GMT
From: ihnp4.ucsd.edu!mvb.saic.com!mauckc.saic.com!mauckc@network.ucsd.edu
Subject: Mobile Radio in Dodge Caravan?
To: info-hams@ucsd.edu

In article <CuLDnw.36G@ceco.ceco.com> Charles R. Sufana,
sufana@ceco.ceco.com writes:
>I was then able to run DC power cable down through the fender on the
>passenger side and fed it through the hole in the
>hose/grommet. You can then pull the wire through a hole in the door
frame and
>into the interior with no problem.

There also should be 12v under the drivers seat for the adjustable
drivers seat.

Hope this helps.

Cliff Mauck KE4PDS

Date: Mon, 22 Aug 1994 17:24:59 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!pipex!lyra.csx.cam.ac.uk!warwick!uknet!cix.compulink.co.uk!
jnewgas@network.ucsd.edu
Subject: Questions: Digital Scanning, Cellphones, Transmissions
To: info-hams@ucsd.edu

> Article: 36305 of rec.radio.amateur.misc
> Xref: cix.compulink.co.uk rec.radio.scanner:10057
> rec.radio.amateur.misc:36305 rec.radio.amateur.policy:8909
> Path:
> cix.compulink.co.uk!uknet!EU.net!howland.reston.ans.net!usc!nic-nac.CSU.
In Article et!g9153402 From: g9153402@huey.csun.edu (Berton Corson)
He asks:
> Even sellersof cellular service, just push the cheap phones, since
their profits
> are very little on the phones, but huge on selling those one and
> two year cellular service contracts. Those analog phones have become
> almost disposable, with less worry about losing or breaking them. Not
> so, with the digital ones.

Actually that is not what has happened here in UK.   Digital Cellular
phones have become the low cost variety !   Some are marketed at
consumers.
I have a "One2One" phone .. for $25 per month I get free calls throughout
to anywhere in the London or adjoining areas from 7.)) pm to 7;00 am and

all weekend. Day rates are about 45 cents/minute.   There are competing
digital services and they are grwoing fast. Clearer speech/digital
messages etc. The old analogue providers are having to introduce ditial
serives to compete.

Oh yes ... they just sound like a buzzing noise on a scanner, my
frequency counter won't read ther frequency even though it is in range (
1.8 GHz).

73's de John ... G7LTQ in UK (or N2UYI when on vacation/business in USA)
Packet address: G7LTQ@GB7NXL.#32.GBR.EU

Date: 22 Aug 1994 13:23:28 -0500
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!cs.utexas.edu!convex!not-for-
mail@network.ucsd.edu
Subject: Questions: Digital Scanning, Cellphones, Transmissions
To: info-hams@ucsd.edu

In <1994Aug20.140335.9766@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman)
writes:

>There are two methods competing for digital cellular. One is based
>on TDMA, and the other is spread spectrum. Since with SS each phone will
>have it's own spreading sequence keyed to it's serial number, you'd have
>to try millions of combinations to luck onto the correct one for a given
>phone. If TDMA is chosen, you'll have to break the supervisory circuit to
>track the time slice as the phone hops from cell to cell. And all of this
>would be very illegal of course.

>Gary

Wouldn't SS be a pain to orchestrate being that cell sites use specific
frequencies per site or am I missing something here? Are the digital
phones going to use the same freq spectrum? (~824-849)

David

Date: 22 Aug 1994 15:59:56 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!agate!howland.reston.ans.net!swrinde!
sdd.hp.com!col.hp.com!jwc@network.ucsd.edu
Subject: Rigs in Dish Washers
To: info-hams@ucsd.edu

Robert Carpenter (rc@itchy.ncsl.NIst.GOV) wrote:

: Back In The Olde Days, Tektronix the 'scope people had a tub of water and
: detergent at their repair sites. When a scope can in for repair, it first
: went into the tub for a wash, then hose down and dry.

: Now, no other company built things the way Tektronix did Way Back Then
: (ceramic terminal strips, etc), and I doubt that anyone does it that way
: now.

   We still keep a spray booth (water) and a spray bottle of detergent
for cleaning the older stuff. All the older HP gear could be cleaned
this way. Particularly switches. We dry in a small heat chamber.

   John (N0KIC) Hp MS&S

Date: 23 Aug 94 00:12:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: The VOA discussion
To: info-hams@ucsd.edu

As someone working and living in Brussels, Belgium, I sometimes listen to
the VOA.

VOA comes strong on various frequencies as well as on satellite.

VOA news programs are US inclined, with frequent 'the following broadcast
represents the views of the US government' prefaces to various programs.

VOA output is aimed at areas that may seem to be under, or about to be,
under US influence. There is more output to Africa than to Europe for
example. The fact that VOA may be seen as propaganda, may make its output to
the US population immaterial. No point in providing information to people
that already know it.

Apart from its political theme, VOA has superb science programs as well as
great Jazz music programs.

Thats for radio,

VOA TV, or rather Worldnet as the TV service is called, also appears here.
It can be picked up before the German Deutsche Welle Broadcast in Europe on
Eutelsat Satellite and mainly carries McNeil Lehrer, Computer Chronicles and
other PBS programs that are great. In addition, C band services are also
available with additional material.
Finally, there is VOA Europe, a specialized service for Europe in FM stereo

via satellite.

And for your information, as far as general programming is concerned, World
Radio Network Inc, uses one of the MTV sound subcarriers on Europe's most
popular satellite to carry broadcasts from various world broadcasters
including NPR, Radio Australia, Radio Japan, Radio Sweden, Ireland, Radio
Vienna, Radio Netherlands and more, rotated on a 24 hour basis. With great
audio fidelity, and a cost of $200 for a complete satellite reception
system, it may even beat a SW set.

Best,
Peter Vekinis, KC1QF/ON9CGV/EI4GV, Brussels

Date: Mon, 22 Aug 1994 19:49:52 GMT
From: spstimes.sps.mot.com!mogate!newsgate!news@uunet.uu.net
Subject: The VOA discussion
To: info-hams@ucsd.edu

I'm not sure what VOA has to do with ham radio, but since the thread's been
started...

I caught the tail end of a segment on NPR last week about the VOA being on
internet and that the audio from their newscasts is available. The commentator
was playing some of the files. The VOA guy she was interviewing (don't remember
the name but he's a honcho in their network services) said he couldn't give any
info on how to access or play the files since they were intended only for use
outside the U.S. (seems kinda silly to me but that's probably their charter, no
more, no less). It didn't stop the NPR person, she just went ahead and
connected and played some of them. Then I remembered reading something here on
the net about the service but couldn't remember when or in what group.
Unfortunately I missed the first part of the segment and didn't hear the
address of the VOA server or what was being used to connect to it. I thought
I'd give it a try too, if I could. Anybody have any more info about it?

73...   Mark   AA7TA

Date: 22 Aug 1994 14:22:11 -0500
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!geraldo.cc.utexas.edu!
austin.lockheed.com!not-for-mail@network.ucsd.edu
Subject: Wanted: TM-733 Programming Guide
To: info-hams@ucsd.edu

Anyone seen a 'cheat-sheet' for the Kenwood TM-733A? Just purchased one
last week and find that you have to read the whole manual. Hate to have

to carry the manual in the car to make changes on the fly. Unlike Yaesu
Kenwood does not provide a quick reference cheat-sheet.

Noticed a neat FT-530 Programming Guide by Peter A. Stokes, ve3zxt. Looking
for something like that for the TM-733.

Thanks

Dick Kriss, KD5VU
kd5vu@austin.lockheed.com

Date: 22 Aug 1994 14:52:51 -0500
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!
howland.reston.ans.net!cs.utexas.edu!geraldo.cc.utexas.edu!austin.lockheed.com!
not-for-mail@network.ucsd.edu
Subject: Wimpy Audio Output - HT's & Mobiles
To: info-hams@ucsd.edu

Noticed several of the new rigs, HT's and Mobiles, have wimpy audio
output. Adding an external speaker helps but has anyone tried using
one of the amplifed speakers?

Dick Kriss KD5VU

Date: Mon, 22 Aug 1994 18:12:01 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!newsxfer.itd.umich.edu!news1.oakland.edu!rcsuna.gmr.com!
kocrsv01!c21rag@network.ucsd.edu
To: info-hams@ucsd.edu

References <1994Aug20.174007.11384@ke4zv.atl.ga.us>,
<777510136snz@arkas.demon.co.uk>, <1994Aug22.014457.20251@ke4zv.atl.ga.us>"
Subject : Re: Does 73 Magazine have

In article <1994Aug22.014457.20251@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary
Coffman) writes:
> In article <777510136snz@arkas.demon.co.uk> Michael@arkas.demon.co.uk writes:
> >Ham Radio magazine. Haven't picked up a copy for years. Is it still published?
>
> Sadly, no. CQ bought it and closed it. All they wanted was to assume the
> subscriber list to temporarily boost their circulation figures and enhance
> ad revenue. I suspect few _Ham Radio_ subscribers renewed CQ after their
> subscriptions ran out.

I too mourn the demise of HR and can confirm Gary's suspicion to the extent that
this former HR subscriber did not renew his subscription to CQ. I have often
wished for a compilation in book form of W1JR's VHF/UHF World columns from HR,
Even though I have all the issues, I would gladly buy a book just to have all of
them in one easily accessible place. I don't suppose anybody knows of such a
publication?

   Roger Grady K9OPO c21rag@kocrsv01.delcoelect.com
   Delco Electronics Corp.   Kokomo, IN
   "All information and opinions are personal unless otherwise stated."

Date: 22 Aug 1994 15:40:30 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!
col.hp.com!jwc@network.ucsd.edu
To: info-hams@ucsd.edu

References <1994Aug18.001214.21682@gsm001.mendelson.com>,
<333ge5$5k7@newsserv.cs.sunysb.edu>, <1994Aug20.203733.25104@gsm001.mendelson.com>
Subject : Re: Info on Code Quick

: Code Quick works by making word associations with the letters. I
: cannot recognize dih dih dah dit at any speed, but I can recognize the
: phrase "did i FAIL it" at anything from 3 to 30 wpm. I cannot sustain
: that rate, yet, but I am working on it.

   20 years ago I started a class using this method and still to this day
when i hear di di dah dit, I think "get a hair cut" before I think "F".
 I dropped out of that class before I had a chance to learn many of these

   IMHO this makes for slow code learning only and would only get in the way
of advancing beyond 5 wpm.

   John, N0KIC   (Havn't got pass 5 yet.)

Date: 22 Aug 1994 19:05:16 GMT
From: lll-winken.llnl.gov!s07.es.llnl.gov!hunter@ames.arpa
To: info-hams@ucsd.edu

References <keith.35.0009023A@radio.nl.nuwc.navy.mil>, <300@coutts.UUCP>,
<barry.187.00154D86@indirect.com>
Subject : Re: XYL Reactions (snicker- Kodak moment) (was Re: IC-751A HF
Transceiver)

I would be very hesitant to put any electronic equipment in a dishwasher. Don't forget that
it is assembled with lead solder. I imagine that you will end up with measurable amounts of
lead on your next load of dishes.

Steven Hunter KC6RKV

Jeffrey Herman (jeffrey@kahuna.tmc.edu) wrote:
: >|> > So, if we are in the states, we technically cannot download the files?
: >|>
: >|> Or tune the radio to VOA?

: I called our US Information Agency office here in Honolulu a few years
: ago and asked them to send me the VOA's bcst schedule; they said `No -
: the VOA bcsts are not meant for domestic reception.' Only after I
: explained that I was going to Viet Nam did they say `In that case,
: then we CAN send you the schedule.' They explained their bcsts are
: meant for both foreign listeners and overseas Americans.

Very strange! Before I started getting VOA skeds off Internet, I used to
send to VOA Frequency Management for schedules, and I never had any problem
getting them. As I recall, frequency schedules and the engineering database
schedule were never a problem, and I was also able to get English schedules.
However, the "Voices" program guide, various other VOA publications, and
the various VOA goodies like stickers, keychains and such were off limits
due to the Charter, since I am an American living in the U.S.A. Of course,
what the USIA office in Honolulu does and what VOA headquarters does may be
two different matters altogether. Anyway, Dan Ferguson is kind enough to
post schedules on this newsgroup, and that's a big help for a lot of us,
I'm sure!

73--
Marie Lamb
Replies to: malamb@mailbox.syr.edu (ignore any other address)

End of Info-Hams Digest V94 #948
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